

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Pitchfork Incremental Delivery																							
2					Option 2B2				Option 3C					Incremental Option 2B2				Incremental Option 3C						
3					Civils tie step-in On-street			Carry-on w/ O2			Delta 3A	Delta 3B		£542m+'X' (Mar 10)	HAY	York PI	FOW	OCT		HAY	York PI	FOW	OCT	
4	Opening Date				Dec-12			Oct-12																
5		Spend to 30 Jan 10			To Go	Outturn		To Go	Outturn						Outturn	Outturn	Outturn	Outturn		Outturn	Outturn	Outturn	Outturn	
6																								
7	Infrastructure - BSC Contract																							
8	Prelims - Civils				33.2	33.2		52.8	52.8						33.2	33.2	33.2	33.2		33.1	39.0	46.7	50.0	
9	Prelims - Systems				22.4	22.4		22.4	22.4						17.4	18.9	20.9	21.7		17.4	18.9	20.9	21.7	
10	Off Street (excl Depot) - Civils				55.2	55.2		55.2	55.2						55.2	55.2	55.2	55.2		55.2	55.2	55.2	55.2	
11	Off Street (excl Depot) - Systems				51.4	51.4		51.4	51.4						51.4	51.4	51.4	51.4		51.4	51.4	51.4	51.4	
12	On street (Princes St) - Civils				2.8	2.8		2.8	2.8						2.8	2.8	2.8	2.8		2.8	2.8	2.8	2.8	
13	On street (Princes St) - Systems				3.2	3.2		3.2	3.2						3.2	3.2	3.2	3.2		3.2	3.2	3.2	3.2	
14	On street (Remaining) - Civils				0	0		24.2	24.2						0.0	0.0	0.0	0.0		0.0	6.7	14.0	20.5	
15	On street (Remaining) - Systems				19.8	19.8		19.8	19.8						5.6	9.9	15.4	17.8		3.8	8.6	14.8	17.6	
16	Value Engineering				-11.3	-11.3		-12.6	-12.6						-11.3	-11.3	-11.3	-11.3		-11.3	-11.3	-11.3	-11.3	
17	Provisional Sums				13	13		19.4	19.4						3.4	6.3	10.0	11.7		3.4	5.0	14.8	16.8	
18	Other/unallocated	90.4			-90.4			-90.4																
19	BSC Contract Sum	90.4			99.3	189.7		148.2	238.6						160.9	169.6	180.8	185.7		159.0	179.5	212.5	227.9	
20	Provisional sums recoverable				-3.1	-3.1		-3.1	-3.1						-3.1	-3.1	-3.1	-3.1		-3.1	-3.1	-3.1	-3.1	
21	VE contingency				1.2	1.2		1.2	1.2						1.2	1.2	1.2	1.2		1.2	1.2	1.2	1.2	
22	Approved Changes				8.3	8.3		8.3	8.3				GR		8.3	8.3	8.3	8.3		8.3	8.3	8.3	8.3	
23	Total BSC Contract	90.4			105.7	196.1		154.6	245.0		#REF!	#REF!		245	167.3	176.0	187.2	192.1		165.4	185.9	218.9	234.3	
24																								
25	New Civils Procurement																							
26	Mobilisation & Prelims - Civils				11.3	11.3									0	4.3	8.2	10						
27	On street (HAY-PIP) - Civils				12.4	12.4									0	14.3	32.8	40.9						
28	On street (PIP-BNS) - Civils				18.7	18.7																		
29	On street (BNS-NER) - Civils				16.5	16.5																		
30					58.9	58.9									0.0	18.6	41.0	50.9						
31																								
32	Vehicles (CAF)	37.8			20.7	58.5		20.7	58.5		#REF!	#REF!		58.5	37.9	42.0	52.3	56.4		37.9	42.0	52.3	56.4	
33	Design (SDS)	31.1			2.6	33.7		2.6	33.7		#REF!	#REF!		33.7	33.7	33.7	33.7	33.7		33.7	33.7	33.7	33.7	
34	Other Infrastructure	15.3			3.8	19.1		3.8	19.1		#REF!	#REF!		19.1	19.1	19.1	19.1	19.1		19.1	19.1	19.1	19.1	
35	Utilities (incl MUDFA)	62.2			-2.6	59.6		-2.6	59.6		#REF!	#REF!		56.1	59.6	59.6	59.6	59.6		59.6	59.6	59.6	59.6	
36	Project Costs ("tie prelims")	61.6			33.4	95		29.9	91.5		#REF!	#REF!		91.5	95.0	95.0	95.0	95.0		95.0	95.0	95.0	95.0	
37	Other Costs	30.2			3.6	33.8		3.6	33.8		#REF!	#REF!		33.8	33.8	33.8	33.8	33.8		33.8	33.8	33.8	33.8	
38	Base Costs	328.6			226.1	554.7		212.6	541.2		#REF!	#REF!		537.7	446.4	477.8	521.7	540.6		444.5	469.1	512.4	531.9	
39																								
40	Existing BSC Risks/Uncertainties:																							
41	Design Development				12.6	12.6		12.6	12.6		#REF!	#REF!	GR	-1.7	12.1	12.3	12.4	12.4		12.1	12.3	12.4	12.4	
42	Ground Conditions				5.6	5.6		5.6	5.6		#REF!	#REF!	GR	0.4	5.6	5.6	5.6	5.6		5.6	5.6	5.6	5.6	
43	Princes St SA				9.0	9.0		9.0	9.0		#REF!	#REF!			9.0	9.0	9.0	9.0		9.0	9.0	9.0	9.0	
44	On Street - Scope changes				11.6	11.6		9.9	9.9		#REF!	#REF!			0.0	3.5	8.0	9.9		0.0	3.0	6.8	8.5	
45	On Street - Delay/Disrup/Accel				8.2	8.2		8.2	8.2		#REF!	#REF!			0.0	2.5	5.7	7.1		0.0	2.5	5.7	7.1	
46	On Street - "Premium Cost" w/ OSSA				0.0	0.0		0.0	0.0		#REF!	#REF!			0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	
47	Risk associated with OSSA credit				0.0	0.0		3.0	3.0		#REF!	#REF!			0.0	0.0	0.0	0.0		0.0	0.0	3.0	3.0	
48	Client & Other Changes				9.0	9.0		9.0	9.0		#REF!	#REF!	GR	-1.6	4.7	6.0	7.7	8.4		4.7	6.0	7.7	8.4	
49	Prolongation, Delay & Disruption										#REF!	#REF!												
50	- Core Allowance (9mths)				21.0	21.0		21.0	21.0					5	21.0	21.0	21.0	21.0		21.0	21.0	21.0	21.0	
51	- Remaining on-street				-6.3	-6.3		0.0	0.0						-6.3	-6.3	-6.3	-6.3		0.0	0.0	0.0	0.0	
52	- On-street 4 mth start delay				4.0	4.0		4.0	4.0						4.0	4.0	4.0	4.0		4.0	4.0	4.0	4.0	
53	- Further Allowance				8.5	8.5		12.1	12.1						0.0	2.5	5.9	7.3		0.0	3.6	8.3	10.4	
54	VE Deliverability				4.3	4.3		4.3	4.3		#REF!	#REF!		2	4.3	4.3	4.3	4.3		4.3	4.3	4.3	4.3	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
55	Behaviours and Competence				0	0		0			#REF!	#REF!												
56	Claims														21.2	10.6	5.2	2.9		16.6	6.2	1.2	0.0	
57					87.5	87.5		98.7	98.7		#REF!	#REF!		4.1	75.6	75.0	82.5	85.6		77.3	77.5	89.0	93.7	
58	Civils Reprocore Risk/Uncertainties																							
59	Siemens & CAF Premia				3.0	3.0									0.0	1.5	3.0	3.0						
60	BB Demobilisation and Premia				0.0	0.0									0.0	0.0	0.0	0.0						
61	Direct Reprocorement Costs				2.0	2.0									0.0	2.0	2.0	2.0						
62	Civils/Systems Interface				10.0	10.0									0.0	5.0	10.0	10.0						
63	Execution Risk				10.0	10.0									0.0	5.0	10.0	10.0						
64					25	25					0	0	0	0	0	13.5	25	25	0	0	0	0	0	0
65	Cancellation and Reinstatement																							
66	BB Demobilisation and Premia																							
67	S Demobilisation & Premia																							
68	Reinstatement																							
69	Vehicle Disposals																							
70	Execution Risk																							
71																								
72																								
73	Total outturn including Ph1b w/off	328.6			338.6	667.2		311.3	639.9		#REF!	#REF!		541.8	522.0	566.3	629.2	651.2		521.8	546.6	601.4	625.6	

	A	B	C	D	E	F	G	H	I	J	K
1	Incremental Delivery Notes										
2		2B2					3C				
3		HAY	YP	FOW	OCT	Comments /Brief Calculation Notes	HAY	YP	FOW	OCT	Comments /Brief Calculation Notes
4	Infrastructure - BSC Contract										
5	Prelims - Civils	33.2	33.2	33.2	33.2	Off Street section only = 33.15m	33.2	39.0	46.7	50.0	Contract Civils Prelims=52.75m -split off street 33.15/on street19.6m.Further split Fixed and time related which is apportioned to appropriate section. All sections include 100%off street. On street portions Incrementally calculated using length of route - HAY-YP=2177M/HAY-FOW=5000M/HAY-OCT=6234M/TOTAL LENGTH=7234M.
6	Prelims - Systems	17.4	18.9	20.9	21.7	Contract Systems Prelims=22.4m-split off street15.7m/on street6.7m.Further split Fixed and time related which is apotioned to section. See above for lineal split. HAY section fixed costs taken for Siemens at 1.7m.	17.4	18.9	20.9	21.7	Contract Systems Prelims=22.4m-split off street15.7m/on street6.7m.Further split Fixed and time related which is apotioned to section. See above for lineal split. HAY section fixed costs taken for Siemens at 1.7m.
7	Off Street (excl Depot) - Civils	55.2	55.2	55.2	55.2	As Contract	55.2	55.2	55.2	55.2	Contract Amount
8	Off Street (excl Depot) - Systems	51.4	51.4	51.4	51.4	As Contract	51.4	51.4	51.4	51.4	Contract Amount
9	On street (Princes St) - Civils	2.8	2.8	2.8	2.8	As agreed in PSSA discussions with Infraco.	2.8	2.8	2.8	2.8	As agreed in PSSA discussions with Infraco.
10	On street (Princes St) - Systems	3.2	3.2	3.2	3.2	Ditto	3.2	3.2	3.2	3.2	Ditto
11	On street (Remaining) - Civils	0.0	0.0	0.0	0.0	Covered by New Civils Procurement	0.0	6.7	14.0	20.5	Split as per Tender bid BOQ - see summary attached
12	On street (Remaining) - Systems	5.6	9.9	15.4	17.8		3.8	8.6	14.8	17.6	Split as per section of route using Siemens CPA
13	Value Engineering	-11.3	-11.3	-11.3	-11.3	Left as Contract	-11.3	-11.3	-11.3	-11.3	Left as Contract
14	Provisional Sums	3.4	6.3	10.0	11.7	Split as per geographic section	3.4	5.0	14.8	16.8	Split as per geographic section
15											
16	Provisional sums recoverable	-3.1	-3.1	-3.1	-3.1	Allowances As before	-3.1	-3.1	-3.1	-3.1	Allowances As before
17	VE contingency	1.2	1.2	1.2	1.2	Allowances As before	1.2	1.2	1.2	1.2	Allowances As before
18	Approved Changes	8.3	8.3	8.3	8.3	Allowances As before	8.3	8.3	8.3	8.3	Allowances As before
19	New Civils Procurement										
20	Mobilisation & Prelims - Civils	0.0	4.3	8.2	10.0	Costs using Subs allowances from OSSA calculation					
21	On street (HAY-PIP) - Civils	0	14.3	32.8	40.9	CWP=47.6 Split against length of route 2177m/5000m/6234m					
22											
23											
24	Vehicles (CAF)	37.9	42.0	52.3	56.4	Assumed 10 trams less for HAY;8 less for YP;3 less for FOW and 1 less for OCT	37.9	42.0	52.3	56.4	Assumed 10 trams less for HAY;8 less for YP;3 less for FOW and 1 less for OCT
25	Design (SDS)	33.7	33.7	33.7	33.7	Estimated Design Final account - not affected by truncation	33.7	33.7	33.7	33.7	Estimated Design Final account - not affected by truncation
26	Other Infrastructure	19.1	19.1	19.1	19.1	Not affected by truncation	19.1	19.1	19.1	19.1	Not affected by truncation
27	Utilities (incl MUDFA)	59.6	59.6	59.6	59.6	Not affected by truncation	59.6	59.6	59.6	59.6	Not affected by truncation
28	Project Costs ("tie prelims")	95.0	95.0	95.0	95.0	Some costing could be reduced	95.0	95.0	95.0	95.0	Some costing could be reduced
29	Other Costs	33.8	33.8	33.8	33.8	Not affected by truncation	33.8	33.8	33.8	33.8	Not affected by truncation
30	Existing BSC Risks/Uncertainties:										
31	Design Development	12.1	12.3	12.4	12.4	Mostly off street BDDI issues - not much affected by on street truncation	12.1	12.3	12.4	12.4	Mostly off street BDDI issues - not much affected by on street truncation
32	Ground Conditions	5.6	5.6	5.6	5.6	Mostly off street BDDI issues - not much affected by on street truncation	5.6	5.6	5.6	5.6	Mostly off street BDDI issues - not much affected by on street truncation
33	Princes St SA	9.0	9.0	9.0	9.0	Work completed	9.0	9.0	9.0	9.0	Work completed
34	On Street - Scope changes	0.0	3.5	8.0	9.9	Estimated incremental amounts using length of route. Assumed lineal effect.	0.0	3.0	6.8	8.5	Estimated incremental amounts using length of route. Assumed lineal effect.
35	On Street - Delay/Disrup/Accel	0.0	2.5	5.7	7.1	Estimated incremental amounts using length of route. Assumed lineal effect.	0.0	2.5	5.7	7.1	Estimated incremental amounts using length of route. Assumed lineal effect.
36	On Street - "Premium Cost" w/ OSSA	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	
37	Risk associated with OSSA credit	0.0	0.0	0.0	0.0		0.0	0.0	3.0	3.0	Up to YP - no effect. Risk limited to beyond YP
38	Client & Other Changes	4.7	6.0	7.7	8.4	From Change Register.	4.7	6.0	7.7	8.4	From Change Register.
39	Prolongation, Delay & Disruption										
40	- Core Allowance (9mths)	21.0	21.0	21.0	21.0	9 month allowance historically although some costs will be reduced by the subs amounts for on street where no cost will be incurred nor chargeable. See 'Extra Contractual Claims' for detail of potential underspend.	21.0	21.0	21.0	21.0	9 month allowance historically although some costs will be reduced by the subs amounts for on street where no cost will be incurred nor chargeable. See 'Extra Contractual Claims' for detail of potential underspend.
41	- Remaining on-street	-6.3	-6.3	-6.3	-6.3	Prelims covered by New Civils Procurement	0.0	0.0	0.0	0.0	

	A	B	C	D	E	F	G	H	I	J	K
42	- On-street 4 mth start delay	4.0	4.0	4.0	4.0	current delay - allowance for claims	4.0	4.0	4.0	4.0	current delay - allowance for claims
43	- Further Allowance	0.0	2.5	5.9	7.3	Covers Siemens Costs of Prelims	0.0	3.6	8.3	10.4	Further EOT anticipated from tie's risks in carrying out on street works apportioned by length- valued by Infraco Prelims -6months total
44	VE Deliverability	4.3	4.3	4.3	4.3	Allowance as before - not affected by truncation	4.3	4.3	4.3	4.3	Allowance as before - not affected by truncation
45	Extra Contractual Claims	21.2	10.6	5.2	2.9	See tab 3	16.6	6.2	1.2	0.0	See tab 3
46											
47	Civils Reprocare Risk/Uncertainties										
48	Siemens & CAF Premia	0.0	1.5	3.0	3.0	Increases with work scope					
49	BB Demobilisation and Premia	0.0	0.0	0.0	0.0						
50	Direct Reprocare Costs	0.0	2.0	2.0	2.0	Fixed Cost - not affected by truncation					
51	Civils/Systems Interface	0.0	5.0	10.0	10.0	increases with scope					
52	Execution Risk	0.0	5.0	10.0	10.0	increases with scope					
53											
54		522.0	566.3	629.2	651.2		521.9	546.6	601.4	625.6	
55											

	A	B	C	D	E	F
1	Claims					
2						
3		HAY	YP	FOW	OCT	
4	3C Option					
5	Potential liability saving from EOT	-4.6	-4.4	-4.0	-3.8	see EOT calcs
6	Loss of Profit Claims					
7	BB (10% of reduced construction value)	8.0	3.1	1.6	0.6	
8	Siemens (17%of reduced construction value)	7.7	3.2	1.4	0.7	
9	Demobilisation Costs	1.0	1.0	1.0	1.0	
10	Comitted costs prior to cancellation					
11	Siemens only					
12	Cost =17.4mx30%materials-restocking allowance	4.0	2.8	1.2	0.6	
13	BB Only	0.5	0.5	0.0	0.0	
14						
15	Total	16.6	6.2	1.2	0.0	
16	2B2 Option					
17	Loss of Profit Claims					
18	BB (10% of reduced construction value)	8.0	3.1	1.6	0.6	
19	Siemens (17%of reduced construction value)	7.7	3.2	1.4	0.7	
20	Demobilisation Costs	1.0	1.0	1.0	1.0	
21	Comitted costs prior to cancellation					
22	Siemens only					
23	Cost =17.4mx30%materials-restocking allowance	4.0	2.8	1.2	0.6	
24	BB Only	0.5	0.5	0.0	0.0	
25						
26	Total	21.2	10.6	5.2	2.9	

	A	B	C	D	E	F	G
1	Tender BOQ Split (civils)			HAY	YP	FOW	OCT
2	(£k)						
3	Track			0	4326	6717	8462
4	Highways				5070	9822	11801
5	Buildings			0	43	43	43
6				0	0	37	37
7				0	0	0	53
8	Bridges			0	0	0	680
9				0	0	0	1937
10	Tramstops				38	154	289
11	Totals			0	9477	16773	23302
12							
13	Less PSSA included elsewhere			0	-2800	-2800	-2800
14							
15	Totals			0	6677	13973	20502

	A	B	C	D	E	F
1	EOT Calculations					
2						
3	9 months calculates broadly at 21m (3524/7.6x39weeks + 3m for CAF)					
4	Calculated from EOT 1 agreement					
5	Spread -TIME RELATED.	Total	HAY	YP	FOW	OCT
6						
7	Consortium (calculated from prelims spread)	2526	2526	2526	2526	2526
8	Depot	1002	1002	1002	1002	1002
9	Section A	4878	4878	4878	4878	4878
10	Section B (view taken on spread)	3897	1000	1200	1600	1800
11						
12	Siemens (1299/7.6x39)	6666	5000	5000	5000	5000
13	(not all Siemens costs will be sustained as eot1)					
14	CAF (balance to 21m)	2031	2031	2031	2031	2031
15						
16	Total	21000	16437	16637	17037	17237
17						
18	Potential Savings		-4563	-4363	-3963	-3763